San Antonio Light.

HOLIDAY EDITION IS PAGES.

How Arago Measured the Power of

The experiments which were entered upon for the purpose of measuring the force of the vapor of water were very important and very dangerous; important because the safe working of steam engines was dependent upon correct measurements of the force, and because all the properties of heat had to be passed in review; and dangerous because they "imposed the task of confronting the unknown caprices of a formidable force. There were but two mes to accept it and conduct it to success; Arago, who never shrank from a duty, and Dulong, already mained by an explosion, whose previous studies had admirably prepared him for the new work." A rade manometer was extemporized, and a boiler, far less stanch than the steam boilers of today, was set up, in which water was heated till the pressure was 27 atmospheres. "They could not go further. At this extreme point it leaked at all the joints, and the steam escaped through the fisting was for the danger, silent and resigned, finished without accident the measurements which they had begun." Telling M. Jamin the story, which was written out as above from his detation. Arago sadi: "Only one being of our company preserved his serenity and slept. It was Dolong's dog; they called him Omieron." entered upon for the purpose of measuring the force of the vapor

"There's a Nigger in the Fence."

The phrase, "There'sa nigger in the fence" is often used and few anderstand its origin. "Ishanues Facbottom" explains it as follows: Away back in the forties, a certain Judge Jeremiah Lane, of—county, Mississippi, was the owner of a running mare, which, it was said, could beat anything in the shape of racing horse flesh in the South. The Judge was always ready for a match at any odds, and never fielded to win money whenever he was fortinate enough to "rope in" any one. On one occasion, at a racing meeting in his section, the sports put their heads together and resolved to play it on the Judge, if possible. Accordingly, a darkey was told to conceal himself in the fence at the lower end of the half-mile track on which the racing was to take place, and which ran close to the course. A match for \$250 a side, hest two in three, was arranged with three starters, including the mare owned by the Judge, who was langhing in his sleeves over the "soft man" that had been thrown my to him. The parties who were in the conspiracy to beat the judicial sport, instructed the darkey to raise up suddenly from his place of concealment in the fence and wave his hat at the Judge's horse, who was a scary brute, and who got all "broke up" when excited. She was to have the poll and as she was expected to take the lead, the race would have no serious effect upon any of the runners but her. Time was at hast called, the horses were started and off they sped like the wind, the mare shooting right ahead of her opponents, mith when reaching the second quarterpole, she stood a likely chance of distancing both the other borses were started and off they sped like the wind, the mare shooting right ahead of her opponents, mith when reaching the second quarterpole, she stood a likely chance of distancing both the other borses in the race. Suddenly she shied, nearly unscating her black rider, who, at the time, was looking over his shoulder, in jockey fashion, watching the motion of his rivals. She followed this movement with two or three plunges for

driver had his "eyes open," and when the darky raised up from his place of concealment in the fence, the former caught sight of him, and riding back to the judges stand as soon as he could get the animal cooled down, he excitedly cried out: "Gentlemen, dar's a nigger in the fence i dar's a nigger in the fence;" The saying, "There's a nigger in the fence," was caught up at once and became synonymous in that section for anything that smacked of fraud concealed under the guise of plausibility or of jobbery plauned to beat innocent parties. In this sense it soon spread to other parts and was not long in becoming popular all over the country. the country.

Trade in Human Hair.

From the Pall Mail Gazette I

The trade in human bair is once more on the increase, and artists in human hair keep a sharp look-out for opportunities to buy. France, the leader of all female fashious, is naturally the country where the largest trade in this article is done. Whence the market is supplied with hair of all colors,

has often been a matter of speculation, which, however, has never been satisfactorily explained.

A large quantity of black hair comes from China, but it appears that France herself provides a large quantity. Formerly the peasant women were often induced to part with their long hair for a few shillings; in convents where the hair is always shorne, a good trade was also done, and it is stated that not long ago 800 pounds of hair were sold at one of the religious establishments for the sum of £1,500. It also frequently happens that the hair is cal from corpses, but this is of less value than what is generally called "living hair"—that is to say, hair cut from living persons.

Curionaly enough, an important part of the business of collecting hair is done in the streets of Paris where the rag gatheres are said to collect every day an average of 100 pounds of human hair. Some statistics which have recently been published on the different colors of hair collected on the pavements and in the dust-him of Paris show the following results: Fair hair, 100 grammes; red, twentyfive grammes, black, 100 grammes; brown, 500 grammes; gray, 200 grammes; white, twentyfive grammes, black, 100 grammes; gray, 200 grammes white, twentyfive grammes. It appears from these figures that white and red hair are rarest in France; while hrows, which, however, has a great many different shades, is the most common color of hair. It is interesting to compare these figures with those which Prof. Virchow has published in Germany, sto the color of hair in German schools are fair, light brown and dark brown, 449,622; light brown, 436,522; light brown, 36,502,579. The fair hair, less frequent in the South than in the North 43,8 per cent of the total, 32,5 in the center, 14,5 in the South and 18,4 per cent in Alsace-Lorrains.

It Works Both Ways.

Conversation between a coal

Conversation between a coal dealer and a printer:
Printer.—I have bought a stove that will burn wood, and I shall buy no coal until the coal money oly has gone to pieces. I don't propose to be robbed any longer. Coal Dealer.—That's the only way to break the monopoly that I know of. I think the price of nuthracite is too high, but so long as people will pay \$7 we will probably charge it, and we have agreed to stand by each other. By the way, I want some printing done. Tom & Jerry wanted to charge me \$10 for a few circulars. Could you do it cheaper?
Printer.—Not for the world. We have a union, and Tom & Jerry named the union price. I have agreed to stand to the union figure in every case and to charge it as long as men will pay it.

The new greenish gray-blue shade in

The new greenish gray-bine shade in which plushes are brought out this season is found to be not only becoming to all ages, but is of itself a magnificent, brilliant, yet highly authetic color, combining well with almost every other color, or with itself in silk or wool fabrics.

Force of Great Waves.

Force of Great Waves.

[Insum Transcript.]

The immense force of waves, such as overwhelmed and nearly wrecked the stramahlp Westernland, can only be comprehended by those who have passed through a terrific storm at sea. The second officer states that the steamer was strinck by two cross waves, which he estimated to be about 40 feet high. It is probable that this estimate is too large, for storms waves rarely reach that height. But even allowing that, as was certainly excusable under the circumstances, his imagination increased the height by one-inarter; that would still leave them 30 feet high. Just imagine two cataracts pouring their thousands of tons of water from this height, and some idea may be gained of the power exerted, for falling water, whether raised into hinge waves by wind or inmbling over a precipice, possesses the same weight and exerts the same power. Probably the

wall of water which flooded and made desolate Mill River valley a wall of water which flooded and made desolate Mill River valley a few years ago was not more powerful at any one moment than were the two waves which converged their forces upon the forward deck of the unfortunate steamer. Rooks and reefs and lee shores are not all the dangers that the mariner has to guard against, and many a stout vessel has disappeared beneath the mighty billows, leaving no clew to the mystery of her fate. It is the most skillful part of the beisman's duties when amid those mountainous seas to so steer the ship as to prevent them coming aboard. When the great tidal wave awept the coast of South America in 1888, the captain of a mail steamer, seeing its approach, ordered all hands below, battened down the hatches, and drove the vessel under a full head of steam into the wave. The vessel came through on the other side, but with decks awept clear of masts, rigging, smoke stacks and everything that offered the least resistance to the onward course of the great wave.

GEORGE DULLNIG.

WHOLESALE GROCER

Properties of the following edicinctuled trends of Flouris ... Turking sea accretic paragraph of Flouris ... Turking sea account ... Turking sea account

DULLNIG Improved Methods on the Farm.

Improved Methods on the Farm.

[Practical Farmer.]

There are very few farms in this country, east or west, that have ever been made to produce over fifty per cent. of their capacity, and very few farmers capable of making even 100 acres do more than his. A vast majority of those who own more would be benefited by selling the surplus and using the proceeds as a capital to improve the remaining acres and by purchasing better stock.

The little Island of Jersey is said to maintain an animal to every two acres on the island, including roads, fences and the ground occupied by buildings. Their farms average about ten acres. In a very few instances in this country one animal has been supported to each improved acre. This proves what's possible under the best management. The best talent, intensect study, the most knowledge and the best business methods should be and will be devoted to agricultural for years to come.

The professions are over-

edge and the best business methods should be and will be devoted to agricultural for years to come.

The professions are overstocked. Doctors are without patients and lawyers without clients, as most of them should be to the good lands are cheap and plenty. Intelligent laborers on the farms are scarce and bester paid than any other class. Farming has been accepted as a last resort for those unable to live by their wits, or good enough for such as were considered incapable of or indifferent to thorough culture. The mentally active boy has taken a medical course or a law course of lectures after completing his education at the scademy or college. These avenues are now full to repletion; they are in great need of thorough drainage. Now that farmers begin to see that they need more knowledge and business methods to attain any standing in their own business, and to fill ereditably sach public stations as their numbers and their occupations entitle them, let them win back their farms, where all their intelligence can be more profitably employed. Let them send their sons from the shop and office to their farms, where all their intelligence can be more profitably employed. Let them send their sons to the agricultural college instead of the medical school; let them attend a course of lectures on both any and chemistry instead of law, and they may possibly do something to make farming more attractive as well as profitable, and take that station in life to which the poet's fancy has assigned him.

Pow Hin's Facetious Bride.

BLOCK!

ultin North A

[Fon the Philadelphila North American]
The first Chinaman who ever applied for a marriage liceuse in this city, called on Clerk Bird, in the Orphana Court, yesterday. He is Pow Hin, a grocer, of No. 24 Mott street, New York, and the bride-elect is Mins Lixzie Conners, Mot street. New York, and the bride-elect is Miss Lizzie Conners, a good looking girl of 19, of this city. As Miss Conners was under age it was necessary for the court to appoint a guardian for her. The party selected to fill the position was Mrs. Hattie Kee, the wife of the Chinaman on Race street. After the license had been made out and the parties were leaving the office, a gentleman, in a voice loud enough to be overheard, made the remark that he would like to have a piece of the wedding cake, to which Mrs. Kee remarked: "We will send you a bird from off the top of the cake," but Miss Conners interrupted and said: "No, we will send him some rate." The jolly erowd then joyously proceeded on their way slong Sixth street.

Identifying Frisoners.

The latest method of identifying prisoners, which has been introduced into France by M. Alphones Bertillion, and which is now successfully practiced not only in the chief French prisons, but in from the color of the prisoner of the prisoner on his arrival at the juil. His walst, the length and width of the nead, the left floot, the outstretched arms, the three other singers of his information of the prisoner on his arrival at the juil. His walst, the length and width of the nead his left middle flager, the left foot, the outstretched arms, the three other singers of his information, and the length and width of the nead he color of the year are meaured, and the color of the year and any particularities are noted down. A photograph is also immediate by taken, and by here means the many treating to a photographer only are avoided.

Among the contractors and builders of San Antonic few have a hetter record for honesty and competency than T. P. Shields or have betier deserved it. In all of the many contracts that have been all of the many contracts that have been all of the many contracts that have been crably done in accordance with the accordance with

HORACK & NEWTON

HORACIL & NEWTON.

This firm of commission merchanis succitancers and real estate dealers, stand at the head in their particular its of business. So the members of this firm are old Texans, and their pricels of acqualationess extend all over the state, and their popularity needs so further end of the property of the state, and their popularity needs so further end of the state, and their popularity needs so further end of the state of the stat

My love you have an inque of simular. This runs is like my here for you.

In Engitand the most popular lovein Engitand the most popular loveing was for a long time the Ginmel
ring, formed of two narrow gold bands,
which were broken apart at the betricknig case on the congregate there—the
ding day, when these bands were again
united and placed on the bride's forger.
This was very suggestive, for the ring
was but the pledge which was redeemed
at the alter. There are several theethe against the several increases the several popular in the s

WHAT THEY HAVE DONE.

A Lioure man saw this morning at O'Connor-& solliva's new bank the handsome counter that has been erected by Wagner Brothers, of Houston street. It is of chaste design, worked out of solid wainer, relieved by yet panels, and the product of the sainer, relieved by yet panels, and the product of the sainer relieved by yet panels, and the product of the sainer relieved by the product of the sainer relieved by the sainer relieved by the sainer relieved to the sainer from the sa